



Closed Sites Management Group  
1700 North Broad Street  
Fairborn, OH 45324  
(937) 318-5342

July 27, 2014

**FEDERAL EXPRESS**

Ms. Pamela Molitor  
Remedial Project Manager  
U.S. EPA, SR-6J  
77 West Jackson Boulevard  
Chicago, IL 60604

**SUBJECT: 2014 FIRST SEMI-ANNUAL PROGRESS REPORT  
REMEDIAL ACTION  
POWELL ROAD LANDFILL  
U.S. EPA DOCKET NO. V-W-98-C- 466/465**

Dear Pamela:

Pursuant to the above referenced Orders WMO is presenting you with the progress report for the Remedial Action O&M activities at the Powell Road Landfill. This report is for the period of January 1, 2014 thru June 30, 2014. This report was prepared per the requirements specified in the above referenced UAO's and per the frequency approved by USEPA on May 10, 2004.

**1.0 DESCRIPTION OF TASKS/ACTIONS PERFORMED IN ACCORDANCE WITH UAO V-W-98-C-466 DURING THIS REPORTING PERIOD**

The following submittals were made:

- 02/27/14 – SA Progress Report
- 01/15/14 – SA GW Report
- 04/21/14 – GW Sampling Notification
- 03/25/14 – Annual Report

**2.0 SUMMARY OF WORK COMPLETED (01/14-06/14)**

The following occurred:

- 1<sup>st</sup> SA GW event – 5/12-5/13/14
- quarterly inspection – 03/11/14
- quarterly inspection – 06/30/14
- mowing – 06/14

US EPA RECORDS CENTER REGION 5



476413

LEACHATE SUMMARY	
January	0 gals
February	5,000 gals
March	15,000 gals
April	10,000 gals
May	18,500 gals
June	0 gals
Total	36,500 gals

GAS WELL TUNING	
January	NA
February	NA
March	03/31/14
April	04/30/14
May	05/30/14
June	06/30/14

The (03/11/14; 06/30/14) quarterly inspections and (03/11/14; 06/30/14) gas probe monitoring forms are attached. The site was mowed in June. The system downtime and maintenance reports are attached.

### **3.0 90 DAY SCHEDULE(S) WORK PLANNED (07/14-12/14)**

The next semi-annual report will be submitted in January 2015.

SA GW Report - 07/14  
Qtrly inspection – 09/14  
Qtrly gas probes – 09/14  
2<sup>nd</sup> SA GW event – 11/14  
Qtrly inspection - 12/14  
Qtrly gas probes – 12/14  
SA Progress Report – 01/15

#### **4.0 SCHEDULE VARIANCES FROM APPROVED RA PROJECT SCHEDULE**

No significant activity this reporting period.

#### **5.0 SUMMARY OF GROUNDWATER ACTIVITY PER UAO V-W-98-C-465 DURING THIS PERIOD**

No significant activity.

#### **6.0 SUMMARY AND DISCUSSION OF ALL APPROVED AND UNAPPROVED CHANGES MADE IN THE RA DURING THIS PERIOD**

No significant activity.

#### **7.0 SUMMARY OF PROBLEMS/DELAYS OR POTENTIAL PROBLEMS/DELAYS ENCOUNTERED DURING THIS PERIOD**

No significant activity.

#### **8.0 ACTIONS BEING TAKEN TO RECTIFY PROBLEMS/DELAYS**

See attached downtime reports.

#### **9.0 CHANGES IN PERSONNEL DURING THIS REPORTING PERIOD**

No significant activity.

## **10.0 PROJECTED WORK FOR THE NEXT REPORTING PERIOD**

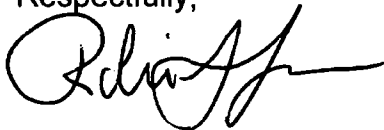
See items in Section 3 above.

## **11.0 COPIES OF REPORTS AND SAMPLING RESULTS GENERATED DURING THIS PERIOD**

See attached downtime, gas and quarterly inspection reports. There was system downtime due to flooding during this semi-annual period.

Please contact Robin Jones regarding this submittal at 937-318-5342 or at [rjones2@wm.com](mailto:rjones2@wm.com).

Respectfully,



Robin L. Jones  
District Manager  
WM Closed Sites  
Powell Road Landfill Project Coordinator

attachment

cc. Jim Forney, WM CSMG  
Scott Glum, OEPA/SWDO/DERR  
PRL Distribution

**POST-CLOSURE QUARTERLY INSPECTION FORM**  
**Powell Road Landfill**

<b>Date:</b>	3/11/2014	<b>Last Inspection Date:</b>	12/10/2013
<b>Landfill Type:</b>	Closed Municipal/CERCLA	<b>Evaluator:</b>	TOM MILLER
<b>Total Acreage:</b> 76	76	<b>Filled Acreage:</b>	38
<b>Date Closed:</b> 1984	1984	<b>Date Capped:</b>	1985 - 2000

	GOOD	ADEQUATE	ATTENTION	NOT APPLICABLE
<b>SECURITY &amp; ACCESS:</b>				
1. Perimeter Fencing		√		
2. Signs Posted	√			
3. Access Road	√			
4. Undesirable Uses Prevented	√			
<b>COVER &amp; VEGETATION:</b>				
1. Final Cover Erosion	√			
2. Top Slope Good Drainage	√			
3. Side Slope Good Drainage	√			
4. Evidence of Gas or Leachate	√			
5. Vegetation Quality & Density	√			
<b>DRAINAGE:</b>				
1. Appropriate Runoff Controls		√		
2. Diversion Ditches		√		
3. Perimeter Ditches		√		
4. Perimeter Stone		√		
5. Outlet Structures		√		
6. Roads	√			
<b>GW MONITORING WELLS:</b>				
1. Construction Integrity	√			
2. Security of Wells	√			
3. Identification of Wells	√			
<b>LEACHATE &amp; GAS SYSTEMS:</b>				
1. Collection Sumps/Risers	√			
2. Electrical Components	√			
3. Leachate Pad Loading	√			
4. Storage Tank	√			
5. Security of System		√		
6. Flare/Blower Operation	√			
7. Extraction Wells/Pumps	√			
8. Mechanical Components	√			
9. Gas Probes	√			
9. Evidence of Odors/Migration	√			
10. Autodialer	√			

COMMENTS:

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**PERMANENT GAS PROBE MONITORING REPORT**  
**LANDFILL GAS EXTRACTION SYSTEM**  
**POWELL ROAD LANDFILL**

Combustible Gas Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-I
Date Last Calibrated:	3/11/2014	Method:	GA/Mode
Pressure Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-I
Water Level Instrument Type:	SOLINIST MODEL 101	Serial No.:	N/A
Weather Conditions:	wet and overcast	Barometric Pressure:	28.83

Monitor Point	Time	Pressure In. W.C. (+/-)	Percent Methane	Water Level	Comments
GP-1	12:09	0.00	0.0	14.1	No Comments
GP-2	12:15	0.00	0.0	16.8	No Comments
GP-3	12:33	-0.01	0.0	9.3	No Comments
GP-4	12:03	-0.02	0.0	0.0	Could not get cap off for water level
GP-5	11:52	-0.02	0.0	9.5	No Comments
GP-6	11:43	-0.01	0.0	10.9	No Comments

Date Performed: 3/11/2014

By: TOM MILLER

# SURFACE WATER CONTROL INSPECTION LOG

Date Filed: \_\_\_\_\_

Ohio EPA Storm Water Construction General Permit No. \_\_\_\_\_  
Powell Road Landfill, Montgomery County, Ohio

Date of Inspection: 3/11/14

Name of Inspector & Title: \_\_\_\_\_ TOM MILLER-LANDFILL SUPERVISOR

Affiliation: \_\_\_\_\_ WM EMPLOYEE

Qualifications \_\_\_\_\_

Weather Conditions: \_\_\_\_\_ wet overcast 58 degrees

Completely fill in the information required below and sign where noted. Forward to Remedial Project Manager for filing.

1. Are measures to prevent erosion and sediment control adequate and properly implemented: YES  
(If no, describe observations, repairs needed, design changes needed, or other actions below.)
2. Are non structural practices (surface grading, vegetative cover, mulch, channel riprap) adequate: YES
3. Are structural practices (silt fencing and ditch checks) adeq N/A

**Observations** (NOTE: location, problem, erosion, sediment build up, damage, etc.):

**A. Stabilization/Nonstructural Practices.**

1. Surface Grading: \_\_\_\_\_ In good condition

Actions to correct problem: \_\_\_\_\_ N/A

2. Vegetative Cover \_\_\_\_\_ In good condition

Actions to correct problem: \_\_\_\_\_ N/A

3. Erosion Control Blanket and Mulch(NOTE: erosion control blankets and mulch are temporary controls and are designed to degrade overtime) \_\_\_\_\_ In good condition

Actions to correct problem: \_\_\_\_\_ N/A

Riprap Channel Lining: \_\_\_\_\_ In good condition

**Inspection Log - Cont.**

Date: 3/11/2014

Actions to correct problem: N/A

**B. Structural Practices.**

1. Silt fencing (NOTE: silt fencing is designed as a temporary control measure and will be removed once the vegetation is established): N/A

Actions to correct problems: N/A

2. Ditch checks (NOTE: ditch checks are designed as a temporary control measure and will be removed once the vegetation is established): In good condition

Actions to correct problems: N/A

- C. Discharge locations (NOTE: any discharge of sediments off site): No

Actions to correct problems: N/A

- D. Vehicles Tracking Sediment Off-Site **NO**

Actions to correct problem: N/A

- E. Status of Previous Maintenance Activities (NOTE: location and problems):

Actions to correct problems: N/A

- F. Other Remarks: N/A

**Inspector's Signature:** Signature on file

Date: 3/11/2014



**Waste Management of Ohio, Inc.**  
**Closed Site Management Group**  
**Landfill Systems Equipment**  
**Inspection Report**

Date: 3/11+31/2014

Location: Powell Rd Landfill Huber Heights, OH

Inspector: Jesse Pertee

Inspector: Tom Miller

Landfill Gas Collection System:		YES	NO	NA	Comments
LFG Blower	Operating	x			No additional comments
	Vibrations Noticed		x		No additional comments
	Properly Greased	x			No additional comments
	Excessive Noise		x		No additional comments
Blower Motor	Properly Greased	x			No additional comments
	Excessive Noise		x		No additional comments
LFG Flare	Operating Properly	x			No additional comments
	Igniter Functioning Properly	x			No additional comments
	Pilot Fuel Operating Properly	x			No additional comments
	Propane Supply Adequate	x			No additional comments
Control Panel	Temperature Display Present	x			No additional comments
	Display Lights Functioning	x			No additional comments
	Blower Amps Functioning	x			No additional comments
	Omnisite Ready / Functioning	x			No additional comments
Electric Valves	Open During Operation	x			No additional comments
	Closed During Shut-Down	x			No additional comments

**Air Supply:**

Compressor	Maintaining Pressure	x			No additional comments
	Vibrations Noticed		x		No additional comments
	Proper Oil Level	x			No additional comments
	Excessive Noise	x			No additional comments

**Leachate System:**

Pump Stations	Sump Pumps Functioning	x			No additional comments
	Fluids at an Acceptable Level	x			No additional comments
	Control Panel OK	x			Disabled
	Air Supply OK	x			No additional comments
Storage Tank	Fluids at an Acceptable Level	x			No additional comments
	Proper Valve operation	x			No additional comments

**LFG Dual Extraction Wells:**

LFG Wells	Wellhead in Good Condition	x			No additional comments
	Pump Connections Secure	x			No additional comments
	Proper Air Supply	x			No additional comments
	Cycle Counter Functioning	x			No additional comments
	Observed Pump Cycle				No additional comments

Comments: No additional comments.

The Project Manager will send an email to Robin Jones stating what site(s) monitored, what inspections were performed, and any issues that need to be addressed or discussed by email.

**POST-CLOSURE QUARTERLY INSPECTION FORM**  
**Powell Road Landfill**

<b>Date:</b>	6/30/2014	<b>Last Inspection Date:</b>	3/11/2014
<b>Landfill Type:</b>	Closed Municipal/CERCLA	<b>Evaluator:</b>	TOM MILLER
<b>Total Acreage: 76</b>	76	<b>Filled Acreage:</b>	38
<b>Date Closed: 1984</b>	1984	<b>Date Capped:</b>	1985 - 2000

	GOOD	ADEQUATE	ATTENTION	NOT APPLICABLE
<b>SECURITY &amp; ACCESS:</b>				
1. Perimeter Fencing		√		
2. Signs Posted	√			
3. Access Road	√			
4. Undesirable Uses Prevented	√			
<b>COVER &amp; VEGETATION:</b>				
1. Final Cover Erosion	√			
2. Top Slope Good Drainage	√			
3. Side Slope Good Drainage	√			
4. Evidence of Gas or Leachate	√			
5. Vegetation Quality & Density	√			
<b>DRAINAGE:</b>				
1. Appropriate Runoff Controls		√		
2. Diversion Ditches		√		
3. Perimeter Ditches		√		
4. Perimeter Stone		√		
5. Outlet Structures		√		
6. Roads	√			
<b>GW MONITORING WELLS:</b>				
1. Construction Integrity	√			
2. Security of Wells	√			
3. Identification of Wells	√			
<b>LEACHATE &amp; GAS SYSTEMS:</b>				
1. Collection Sumps/Risers	√			
2. Electrical Components	√			
3. Leachate Pad Loading	√			
4. Storage Tank	√			
5. Security of System		√		
6. Flare/Blower Operation	√			
7. Extraction Wells/Pumps	√			
8. Mechanical Components	√			
9. Gas Probes	√			
9. Evidence of Odors/Migration	√			
10. Autodialer	√			

COMMENTS:

**PERMANENT GAS PROBE MONITORING REPORT**  
**LANDFILL GAS EXTRACTION SYSTEM**  
**POWELL ROAD LANDFILL**

Combustible Gas Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-I
Date Last Calibrated:	6/30/2014	Method:	GA/Mode
Pressure Instrument Type:	CES Landtec GEM 5000	Serial No.:	GM5k0000-200-I
Water Level Instrument Type:	SOLINIST MODEL 101	Serial No.:	N/A
Weather Conditions:	82° partly cloudy Dry	Barometric Pressure:	29.95

Monitor Point	Time	Pressure In. W.C. (+/-)	Percent Methane	Water Level	Comments
GP-1	10:04	0.00	0.0	13.8	No Comments
GP-2	10:11	-0.01	0.0	16.4	No Comments
GP-3	10:26	0.00	0.0	9.2	No Comments
GP-4	10:38	-0.02	0.0	0.0	Could not get cap off for water level
GP-5	11:05	-0.01	0.0	9.9	No Comments
GP-6	11:12	-0.01	0.0	10.1	No Comments

Date Performed: 6/30/2014

By: TOM MILLER

## Powell Sierra Monitors

**Date:** 6/30/2014  
**Technician:** TOM MILLER

	ADDRESS, NAME & PHONE NUMBER	MONITOR FUNCTIONING PROPERLY?	MONITOR CALIBRATED?	MONITOR NEEDS ATTENTION?
1	Onsite Compressor Building	Yes	No	No

**COMMENTS:** \_\_\_\_\_

# SURFACE WATER CONTROL INSPECTION LOG

Date Filed: \_\_\_\_\_

Ohio EPA Storm Water Construction General Permit No. \_\_\_\_\_  
Powell Road Landfill, Montgomery County, Ohio

Date of Inspection: 6/30/14

Name of Inspector & Title: \_\_\_\_\_ TOM MILLER-LANDFILL SUPERVISOR

Affiliation: \_\_\_\_\_ WM EMPLOYEE

Qualifications \_\_\_\_\_

Weather Conditions: \_\_\_\_\_ wet overcast 58 degrees

Completely fill in the information required below and sign where noted. Forward to Remedial Project Manager for filing.

1. Are measures to prevent erosion and sediment control adequate and properly implemented: YES  
(If no, describe observations, repairs needed, design changes needed, or other actions below.)
2. Are non structural practices (surface grading, vegetative cover, mulch, channel riprap) adequate: YES
3. Are structural practices (silt fencing and ditch checks) adequate: N/A

**Observations** (NOTE: location, problem, erosion, sediment build up, damage, etc.):

**A. Stabilization/Nonstructural Practices.**

1. Surface Grading: \_\_\_\_\_ In good condition

Actions to correct problem: \_\_\_\_\_ N/A

2. Vegetative Cover \_\_\_\_\_ In good condition

Actions to correct problem: \_\_\_\_\_ N/A

3. Erosion Control Blanket and Mulch (NOTE: erosion control blankets and mulch are temporary controls and are designed to degrade overtime) \_\_\_\_\_ In good condition

Actions to correct problem: \_\_\_\_\_ N/A

Riprap Channel Lining: \_\_\_\_\_ In good condition

**Inspection Log - Cont.**

Date: 6/30/2014

Actions to correct problem: N/A

**B. Structural Practices.**

1. Silt fencing (NOTE: silt fencing is designed as a temporary control measure and will be removed once the vegetation is established): N/A

Actions to correct problems: N/A

2. Ditch checks (NOTE: ditch checks are designed as a temporary control measure and will be removed once the vegetation is established): In good condition

Actions to correct problems: N/A

- C. Discharge locations (NOTE: any discharge of sediments off site): No

Actions to correct problems: N/A

- D. Vehicles Tracking Sediment Off-Site NO

Actions to correct problem: N/A

- E. Status of Previous Maintenance Activities (NOTE: location and problems):

Actions to correct problems: N/A

- F. Other Remarks: N/A

**Inspector's Signature:** Signature on file

Date: 6/30/2014

**Waste Management, Inc.**  
**Closed Site Management Group**  
**Landfill Systems Equipment**  
**Inspection Report**

Date: 6/30/2014

Location: Powell Rd Landfill Huber Heights, OH

Inspector: Tom Miller (WM)

Landfill Gas Collection System:		YES	NO	NA	Comments
LFG Blower	Operating		x		System down due to LCS
	Vibrations Noticed		x		System down due to LCS
	Properly Greased	x			No additional comments
	Excessive Noise		x		System down due to LCS
Blower Motor	Properly Greased	x			No additional comments
	Excessive Noise		x		System down due to LCS
LFG Flare	Operating Properly		x		System down due to LCS
	Igniter Functioning Properly		x		System down due to LCS
	Pilot Fuel Operating Properly		x		System down due to LCS
	Propane Supply Adequate	x			System down due to LCS
Control Panel	Temperature Display Present	x			No additional comments
	Display Lights Functioning	x			No additional comments
	Blower Amps Functioning	x			No additional comments
	Omnisite Ready / Functioning	x			No additional comments
Electric Valves	Open During Operation	x			System down due to LCS
	Closed During Shut-Down	x			System down due to LCS

Date: 6/18/2014

Location: Powell Rd Landfill Huber Heights, OH

Inspector: J. Pertee (SAS)

**Air Supply:**

Compressor	Maintaining Pressure		x		System down due to LCS
	Vibrations Noticed		x		System down due to LCS
	Proper Oil Level	x			System down due to LCS
	Excessive Noise		x		System down due to LCS

**Leachate System:**

Pump Stations	Sump Pumps Functioning		x		System down due to LCS
	Fluids at an Acceptable Level		x		System down due to LCS
	Control Panel OK	x			System down due to LCS
	Air Supply OK		x		System down due to LCS
Storage Tank	Fluids at an Acceptable Level	x			No additional comments
	Proper Valve operation	x			No additional comments

**LFG Dual Extraction Wells:**

LFG Wells	Wellhead in Good Condition	x			No additional comments
	Pump Connections Secure	x			No additional comments
	Proper Air Supply		x		System down due to LCS
	Cycle Counter Functioning		x		System down due to LCS
	Observed Pump Cycle		x		System down due to LCS

**Comments:**

Approximately 7' Liquid in Tank

The Project Manager will send an email to Robin Jones stating what site(s) monitored, what inspections were performed, and any issues that need to be addressed or discussed by email.

## Blower / Flare Station Data

**LCS SHUTDOWN NO DATA**

Technician: Tom Miller

Date: 1/31/2014

Client: R. Jones, WMI

Site: Powell Rd

Temperature: \_\_\_\_\_

Barometric Press.: \_\_\_\_\_

### Before Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

### After Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

### Blower Data:

	Yes	No	Comments
Blower Operating Properly?		x	None
Motor Operating Properly?		x	None

	Yes	No		Yes	No
Lube Blowers:		x	Check Valves:		x
Check Belts/Drive:		x	Check Actuator:		x
Drain Blower:		x	Check Flame Arrestor:		x
Check Propane: PSI		x	Check Compressor:		x
Blower Hours:	0.0		Check Auto-Dialer:		x
Blower Amps:	0		Long Distance Service Active:	N/A	

### Flare Data:

Flare Temperature:	0	Check Ignition System:		x
Drain Flare Stack:	x	Other:	None	

### Compressor Data:

System Pressure:		psi	Check Compressor Drains:		x
Dryers Functioning:		x	Check Dryers Drains:		x
Check Motor:		x	Check Drive Belts:		x

### Comments:

System down due to LCS shutdown



# Wellfield Monitoring Data

Technician: Tom Miller

Date: 1/31/2014

Client: R. Jones, WMI

Site: Powell Rd

Temperature:

Barometric Press.:

ID	Date/Time	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN								
POWLBLOT								
POWL0001								
POWL0002								
POWL0003								
POWL0004								
POWL0005								
POWL0006								
POWL0007								
POWL0008								
POWL0009								
POWL0010								
POWL0011								
POWL0012								
POWL0013								
POWL0014								
POWL0015								
POWL0016								
POWL0017								
POWL0018								
POWL0019								
POWL0020								
POWL0021								
POWL0022								
POWL0023								
POWL0024								
POWL0025								
POWL0026								
POWLBLIN								
POWLBLOT								

Comments: System down due to LCS Shutdown

- Status History for Waste Management -Cincinnati -  
Powell Rd  
Wednesday, January 01, 2014 to Friday, January 31, 2014

**- Alarm History -**

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% UST Level							

LCS Well Shutdown

Powell Rd	25805	1/1/2014 11:59:16 PM	1/21/2014 6:18:24 AM	1664348			
Powell Rd	25805	1/24/2014 2:56:50 PM	1/28/2014 9:22:03 AM	325513			
Powell Rd	25805	1/28/2014 9:46:22 AM	1/31/2014 3:49:16 AM	237774			
				618:47:15			

Input: Compressor Low Pressure

Powell Rd	25805	1/1/2014 11:59:16 PM	1/31/2014 9:11:50 AM	2538754			
				705:12:34			

Input: Pilot failure

Powell Rd	25805	1/1/2014 11:59:16 PM	1/28/2014 9:37:15 AM	2281079			
Powell Rd	25805	1/28/2014 9:37:31 AM	1/31/2014 1:04:29 PM	271618			
				709:04:57			

Cycle Timer Shutdown (12Hrs. Daily)							
Daily shutdown							None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
Total					709:04:57	705:12:34	

Associated Shutdowns

**\*NOT ALL ALARMS SHUTDOWN THE SYSTEMS**

**Waste Management, Powell Rd Landfill**  
**Landfill Gas and Condensate Collection Systems Maintenance Summary Report**

**Jan-2014**

<b>Date</b>	<b>System Repaired</b>	<b>Proactive/ Reactive</b>	<b>Diagnosis of Problem Causing Reactive Action</b>	<b>Corrective Action / Description of Maintenance Performed</b>
				No Maintenance Needed

**Additional Comments:** No Additional Comment

# Blower / Flare Station Data

**LCS SHUTDOWN NO DATA**

Technician: Tom Miller

Date: 2/28/2014

Client: R. Jones, WMI

Site: Powell Rd

Temperature:

Barometric Press.:

## Before Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## After Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## Blower Data:

	Yes	No	Comments
Blower Operating Properly?		x	None
Motor Operating Properly?		x	None

	Yes	No		Yes	No
Lube Blowers:		x	Check Valves:		x
Check Belts/Drive:		x	Check Actuator:		x
Drain Blower:		x	Check Flame Arrestor:		x
Check Propane: PSI		x	Check Compressor:		x
Blower Hours:	0.0		Check Auto-Dialer:		x
Blower Amps:	0		Long Distance Service Active:	N/A	

## Flare Data:

Flare Temperature:	0	Check Ignition System:		x
Drain Flare Stack:	x	Other:	None	

## Compressor Data:

System Pressure:		psi	Check Compressor Drains:		x
Dryers Functioning:		x	Check Dryers Drains:		x
Check Motor:		x	Check Drive Belts:		x

**Comments:** System down due to LCS shutdown

# Wellfield Monitoring Data

Technician: Tom Miller

Date: 2/28/2014

Client: R. Jones, WMI

Site: Powell Rd

Temperature:

Barometric Press.:

ID	Date/Time	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN								
POWLBLOT								
POWL0001								
POWL0002								
POWL0003								
POWL0004								
POWL0005								
POWL0006								
POWL0007								
POWL0008								
POWL0009								
POWL0010								
POWL0011								
POWL0012								
POWL0013								
POWL0014								
POWL0015								
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POWL0019								
POWL0020								
POWL0021								
POWL0022								
POWL0023								
POWL0024								
POWL0025								
POWL0026								
POWLBLIN								
POWLBLOT								

Comments: System down due to LCS Shutdown

- Status History for Waste Management -Cincinnati -  
Powell Rd  
Saturday, February 01, 2014 to Friday, February 28, 2014

**- Alarm History -**

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% UST Level							
Powell Rd	25805	2/2/2014 9:27:31 AM	2/4/2014 10:20:23 AM	175972			
				48:52:52			
LCS Well Shutdown							
Powell Rd	25805	2/3/2014 7:55:09 PM	2/6/2014 5:59:40 PM	252271			
Powell Rd	25805	2/21/2014 1:00:53 AM		773887			
				285:02:38			
Input: Compressor Low Pressure							
Powell Rd	25805	2/3/2014 8:09:02 PM	2/6/2014 6:23:35 PM	252873			
Powell Rd	25805	2/21/2014 1:15:29 AM		773011			
				284:58:04		284:58:04	
Input: Pilot failure							
Powell Rd	25805	2/3/2014 7:55:36 PM		2261004			
				628:03:24	628:03:24		
Cycle Timer Shutdown (12Hrs. Daily)							
Daily shutdown					24:00:00		None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
Total					652:03:24	284:58:04	

Associated Shutdowns

**\*NOT ALL ALARMS SHUTDOWN THE SYSTEMS**

**Waste Management, Powell Rd Landfill**  
**Landfill Gas and Condensate Collection Systems Maintenance Summary Report**

**Feb-2014**

<b>Date</b>	<b>System Repaired</b>	<b>Proactive/ Reactive</b>	<b>Diagnosis of Problem Causing Reactive Action</b>	<b>Corrective Action / Description of Maintenance Performed</b>
				No Maintenance Needed

**Additional Comments:** No Additional Comment

# Blower / Flare Station Data

Technician: Tom Miller

Date: 3/31/2014

Client: R. Jones, WMI

Site: Powell Rd

Temperature: 68

Barometric Press.: 30.10

## Before Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In	17.8	8.2	14.3	59.6	-21.73	96	349.38	None
Blower Out	17.9	8.2	14.3	57.6	8.07	96	349.38	None

## After Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In	27.8	15.7	10.8	45.7	-7.48	78	347.15	None
Blower Out	25.8	14.4	11.2	48.6	3.7	79	347.15	None

## Blower Data:

	Yes	No	Comments
Blower Operating Properly?	x		None
Motor Operating Properly?	x		None

	Yes	No		Yes	No
Lube Blowers:	x		Check Valves:	x	
Check Belts/Drive:	x		Check Actuator:	x	
Drain Blower:	x		Check Flame Arrestor:	x	
Check Propane: PSI <u>85%</u>	x		Check Compressor:	x	
Blower Hours:	21352.6		Check Auto-Dialer:	x	
Blower Amps:	12.35		Long Distance Service Active:	N/A	

## Flare Data:

Flare Temperature:	1775	Check Ignition System:	x	
Drain Flare Stack:	x	Other:	None	

## Compressor Data:

System Pressure:	147	psi	Check Compressor Drains:	x	
Dryers Functioning:		x	Check Dryers Drains:	x	
Check Motor:	x		Check Drive Belts:	x	

**Comments:** compressor dryer is being bypassed; they compressor will be replaced in the 2nd qtr.



# Wellfield Monitoring Data

Technician: Tom Miller  
 Date: 3/31/2014  
 Client: R. Jones, WMI  
 Site: Powell Rd  
 Temperature: 68  
 Barometric Press.: 30.10

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN	3/31/2014	2:25	17.8	8.2	14.3	59.6	-21.73	96	
POWLBL0T	3/31/2014	2:28	17.9	8.2	14.3	57.6	8.07	96	
POWL0001	3/31/2014	2:44	55.9	30.7	0.5	12.8	-3.19	71	
POWL0002	3/31/2014	2:47	59.2	31.3	0.5	9	-19.2	65	
POWL0003	3/31/2014	2:51	0	0.3	20.1	79.6	-3	72	Fully Closed
POWL0004	3/31/2014	2:55	60	31.8	0.3	8	-2.75	68	Increased Flow
POWL0005	3/31/2014	3:03	56	36.4	0.8	6.8	-2.5	68	No Change
POWL0006	3/31/2014	4:06	65.2	25	1.6	8.1	-5.61	65	No Change
POWL0007	3/31/2014	4:09	17	10.3	14.7	58.1	-4.4	64	No Change/Closed
POWL0008	3/31/2014	4:12	45.7	25.6	5.6	23.2	-7.1	66	Decreased Flow
POWL0009	3/31/2014	4:18	41.8	25.2	4.2	28.7	-10.6	68	Decreased Flow
POWL0010	3/31/2014	4:24	28	17.3	10.3	44.4	-0.13	78	No Change/BO
POWL0011	3/31/2014	4:27	33	18.4	8.7	39.8	-1.9	68	No Change/ BO
POWL0012	3/31/2014	4:31	18.1	10.5	12.5	58.9	-0.91	75	Closed
POWL0013	3/31/2014	4:37	58.5	33.9	0.5	7	-5.1	65	Increased Flow
POWL0014	3/31/2014	3:42	0.1	4.6	14.9	80.5	-15.6	77	Closed
POWL0015	3/31/2014	3:37	60.5	27.9	1.5	10.1	-2.9	73	No Change
POWL0016	3/31/2014	3:39	1.1	15.9	2.9	80.1	-0.2	63	Closed
POWL0017	3/31/2014	2:35	62.1	32.4	1.3	4.1	-0.17	72	Increased Flow
POWL0018	3/31/2014	2:40	0	0.6	19.8	79.5	-0.89	61	Closed
POWL0019	3/31/2014	3:30	60.8	17.2	4.1	17.9	-18.3	69	Increased Flow
POWL0020	3/31/2014	3:34	41.3	13.8	8.1	36.8	-17.49	68	Decreased Flow
POWL0021	3/31/2014	3:46	38.8	14.1	8.5	38.6	-8.4	73	No Change
POWL0022	3/31/2014	3:50	68.2	10.2	0.9	10.6	-19.5	69	Full Open
POWL0023	3/31/2014	3:55	55.5	23.1	3.8	17.6	-20.19	70	No Change
POWL0024	3/31/2014	3:59	0	0.2	20.2	79.5	-0.41	71	Closed
POWL0025	3/31/2014	3:07	39.8	27.4	5.6	27.2	-1.32	68	No Change
POWL0026	3/31/2014	3:11	51.8	22.5	4.8	21	-19.42	69	Increased Flow
POWLBLIN	3/31/2014	4:48	27.8	15.7	10.8	45.7	-7.48	78	
POWLBL0T	3/31/2014	4:53	25.8	14.4	11.2	48.6	3.7	79	

Comments:

- Status History for Waste Management -Cincinnati -  
Powell Rd  
Saturday, March 01, 2014 to Monday, March 31, 2014

**- Alarm History -**

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% UST Level							
Powell Rd	25805	3/4/2014 12:38:04 PM	3/8/2014 8:51:44 AM	332020			
				92:13:40			
LCS Well Shutdown							
Powell Rd	25805	3/1/2014 11:59:33 PM	3/4/2014 7:53:51 AM	201258			
Powell Rd	25805	3/13/2014 2:54:54 PM	3/18/2014 9:08:22 PM	454408			
				182:07:46			
Input: Compressor Low Pressure							
Powell Rd	25805	3/1/2014 11:59:33 PM	3/4/2014 8:11:52 AM	202339			
Powell Rd	25805	3/13/2014 3:32:12 PM	3/18/2014 9:28:55 PM	453403			
				182:09:02		182:09:02	
Input: Pilot failure							
Powell Rd	25805	3/1/2014 11:59:33 PM	3/11/2014 9:18:13 AM	811120			
Powell Rd	25805	3/13/2014 2:55:22 PM	3/31/2014 9:18:19 AM	1534977			
				651:41:37	651:41:37		
Cycle Timer Shutdown (12Hrs. Daily)							
Daily shutdown					24		None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
Total					675:41:37	182:09:02	

Associated Shutdowns

**\*NOT ALL ALARMS SHUTDOWN THE SYSTEMS**

**Waste Management, Powell Rd Landfill**  
**Landfill Gas and Condensate Collection Systems Maintenance Summary Report**

**Mar-2014**

<b>Date</b>	<b>System Repaired</b>	<b>Proactive/ Reactive</b>	<b>Diagnosis of Problem Causing Reactive Action</b>	<b>Corrective Action / Description of Maintenance Performed</b>
3/31/2014	Flare	Reactive	Unknown	Investigating Flare shutdown after LCS restart. Flare was running upon my arrival to the site on 3/31/14

**Additional Comments:** No Additional Comment

# Blower / Flare Station Data

**LCS SHUTDOWN NO DATA**

Technician: Tom Miller  
 Date: 4/30/2014  
 Client: R. Jones, WMI  
 Site: Powell Rd  
 Temperature: 78  
 Barometric Press.: 30.09

## Before Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## After Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## Blower Data:

	Yes	No	Comments
Blower Operating Properly?	x		None
Motor Operating Properly?	x		None

	Yes	No		Yes	No
Lube Blowers:	x		Check Valves:		x
Check Belts/Drive:	x		Check Actuator:		x
Drain Blower:	x		Check Flame Arrestor:		x
Check Propane: PSI 83%	x		Check Compressor:		x
Blower Hours:			Check Auto-Dialer:		x
Blower Amps:			Long Distance Service Active:	N/A	

## Flare Data:

Flare Temperature:		Check Ignition System:		x
Drain Flare Stack:	x	Other:	None	

## Compressor Data:

System Pressure:	0	psi	Check Compressor Drains:	x	
Check Motor:	x				

**Comments:** System down due to LCS shutdown

# Wellfield Monitoring Data

Technician: Tom Miller  
 Date: 4/30/2014  
 Client: R. Jones, WMI  
 Site: Powell Rd  
 Temperature: 62  
 Barometric Press.: 29.81

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN									
POWLBLIN									
POWL0001									
POWL0002									
POWL0003									
POWL0004									
POWL0005									
POWL0006									
POWL0007									
POWL0008									
POWL0009									
POWL0010									
POWL0011									
POWL0012									
POWL0013									
POWL0014									
POWL0015									
POWL0016									
POWL0017									
POWL0018									
POWL0019									
POWL0020									
POWL0021									
POWL0022									
POWL0023									
POWL0024									
POWL0025									
POWL0026									
POWLBLIN									
POWLBLIN									

Comments: System down due to LCS shutdown

- Status History for Waste Management -Cincinnati -  
Powell Rd  
Tuesday, April 01, 2014 to Wednesday, April 30, 2014

**- Alarm History -**

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% UST Level							
Powell Rd	25805	4/25/2014 2:43:42 PM	4/28/2014 8:16:52 AM	235990			
				65:33:10			
LCS Well Shutdown							
Powell Rd	25805	4/3/2014 7:22:21 PM	4/23/2014 4:05:48 AM	1673007			
Powell Rd	25805	4/28/2014 8:49:24 AM	4/28/2014 8:49:45 AM	21			
Powell Rd	25805	4/29/2014 3:32:01 PM		116819			
				497:10:47			
Input: Compressor Low Pressure							
Powell Rd	25805	4/3/2014 8:15:22 PM	4/25/2014 12:50:59 PM	1874137			
Powell Rd	25805	4/29/2014 4:45:34 PM		112406			
				551:49:03		551:49:03	
Input: Pilot failure							
Powell Rd	25805	4/3/2014 7:22:50 PM	4/23/2014 11:29:12 AM	1699582			
Powell Rd	25805	4/23/2014 11:33:11 AM	4/25/2014 1:00:32 PM	178041			
Powell Rd	25805	4/29/2014 3:32:28 PM		116792			
				554:00:15	554:00:15		
Input: Primary Power							
Powell Rd	25805	4/25/2014 12:08:31 PM	4/25/2014 1:00:32 PM	3121			
				00:52:01			
Cycle Timer Shutdown (12Hrs. Daily)							
Daily shutdown					76		None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
Total					630:00:15	551:49:03	

Associated Shutdowns

**\*NOT ALL ALARMS SHUTDOWN THE SYSTEMS**

**Waste Management, Powell Rd Landfill**  
**Landfill Gas and Condensate Collection Systems Maintenance Summary Report**

**Apr-2014**

<b>Date</b>	<b>System Repaired</b>	<b>Proactive/ Reactive</b>	<b>Diagnosis of Problem Causing Reactive Action</b>	<b>Corrective Action / Description of Maintenance Performed</b>
4/1/2014	Flare	Reactive	Flare not restarting after LCS shutdown	It was determined that the current wiring is not set for automatic restart after an LCS event. Manual restart is required. The wiring will be revised.
4/25/2014	Flare	Reactive	malfunctioning compressor	Air Compressor was replaced by Air Handling Equipment. Air dryer was removed, it was not helping and it was stressing the compressor.
4/28/2014	Gas/leachate	Reactive		Completed wiring to LCS well for remote operation

**Additional Comments:** No Additional Comment

# Blower / Flare Station Data

**LCS SHUTDOWN NO DATA**

Technician: Tom Miller

Date: 5/30/2014

Client: R. Jones, WMI

Site: Powell Rd

Temperature: 89

Barometric Press.: 30.09

## Before Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## After Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## Blower Data:

	Yes	No	Comments
Blower Operating Properly?	x		None
Motor Operating Properly?	x		None

	Yes	No		Yes	No
Lube Blowers:	x		Check Valves:		x
Check Belts/Drive:	x		Check Actuator:		x
Drain Blower:	x		Check Flame Arrestor:		x
Check Propane: PSI %	x		Check Compressor:		x
Blower Hours:			Check Auto-Dialer:		x
Blower Amps:			Long Distance Service Active:	N/A	

## Flare Data:

Flare Temperature:		Check Ignition System:		x
Drain Flare Stack:	x	Other:	None	

## Compressor Data:

System Pressure:	0	psi	Check Compressor Drains:	x	
Check Motor:	x				

## Comments:

---



# Wellfield Monitoring Data

Technician: Tom Miller  
 Date: 5/30/2014  
 Client: R. Jones, WMI  
 Site: Powell Rd  
 Temperature: 89  
 Barometric Press.: 30.09

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN									
POWLBLOT									
POWL0001									
POWL0002									
POWL0003									
POWL0004									
POWL0005									
POWL0006									
POWL0007									
POWL0008									
POWL0009									
POWL0010									
POWL0011									
POWL0012									
POWL0013									
POWL0014									
POWL0015									
POWL0016									
POWL0017									
POWL0018									
POWL0019									
POWL0020									
POWL0021									
POWL0022									
POWL0023									
POWL0024									
POWL0025									
POWL0026									
POWLBLIN									
POWLBLOT									

Comments: System down due to LCS shutdown.

- Status History for Waste Management - Cincinnati -  
Powell Rd  
Thursday, May 01, 2014 to Saturday, May 31, 2014

### - Alarm History -

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% UST Level							
Powell Rd	25805	5/28/2014 6:19:36 PM	5/31/2014 2:26:49 PM	245233			
				68:07:13			
LCS Well Shutdown							
Powell Rd	25805	5/1/2014 12:00:00 AM	5/6/2014 4:52:17 PM	492737			
Powell Rd	25805	5/13/2014 7:41:57 AM	5/20/2014 1:22:47 AM	582050			
Powell Rd	25805	5/22/2014 12:24:14 AM	5/28/2014 12:43:34 PM	562760			
				454:52:27			
Input: Compressor Low Pressure							
Powell Rd	25805	5/1/2014 12:00:00 AM	5/6/2014 5:03:17 PM	493397			
Powell Rd	25805	5/13/2014 9:02:21 AM	5/20/2014 1:34:25 AM	577924			
Powell Rd	25805	5/22/2014 1:55:06 AM	5/28/2014 12:55:09 PM	558003			
				452:35:24		452:35:24	
Input: Pilot failure							
Powell Rd	25805	5/1/2014 12:00:00 AM	5/20/2014 1:45:28 PM	1691128			
Powell Rd	25805	5/22/2014 12:24:43 AM	5/30/2014 8:10:54 AM	719171			
Powell Rd	25805	5/30/2014 8:34:57 AM	5/30/2014 8:35:21 AM	24			
Powell Rd	25805	5/30/2014 8:43:05 AM	5/30/2014 8:46:57 AM	232			
Powell Rd	25805	5/30/2014 8:49:49 AM	5/30/2014 8:50:40 AM	51			
Powell Rd	25805	5/30/2014 9:10:25 AM	5/30/2014 9:38:29 AM	1684			
				670:04:50	670:04:50		
Input: Primary Power							
Powell Rd	25805						
Cycle Timer Shutdown (12Hrs. Daily)							
Daily shutdown					0		None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
Total					670:04:50	452:35:24	

Associated Shutdowns

**\*NOT ALL ALARMS SHUTDOWN THE SYSTEMS**

**Waste Management, Powell Rd Landfill**  
**Landfill Gas and Condensate Collection Systems Maintenance Summary Report**

**May-2014**

<b>Date</b>	<b>System Repaired</b>	<b>Proactive/ Reactive</b>	<b>Diagnosis of Problem Causing Reactive Action</b>	<b>Corrective Action / Description of Maintenance Performed</b>

**Additional Comments:** No Additional Comment

# Blower / Flare Station Data

**LCS SHUTDOWN NO DATA**

Technician: Tom Miller  
 Date: 6/30/2014  
 Client: R. Jones, WMI  
 Site: Powell Rd  
 Temperature: 83  
 Barometric Press.: 29.95

## Before Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## After Tuning

Location	CH4	CO2	O2	Bal.	Press./Vac.	Temp.	Flow	Comments
Blower In								None
Blower Out								None

## Blower Data:

	Yes	No	Comments
Blower Operating Properly?	x		None
Motor Operating Properly?	x		None

	Yes	No		Yes	No
Lube Blowers:	x		Check Valves:		x
Check Belts/Drive:	x		Check Actuator:		x
Drain Blower:	x		Check Flame Arrestor:		x
Check Propane: PSI 80%	x		Check Compressor:		x
Blower Hours:			Check Auto-Dialer:		x
Blower Amps:			Long Distance Service Active:	N/A	

## Flare Data:

Flare Temperature:		Check Ignition System:		x
Drain Flare Stack:	x	Other:	None	

## Compressor Data:

System Pressure:	0	psi	Check Compressor Drains:	x	
Check Motor:	x				

**Comments:** System down due to LCS shutdown

# Wellfield Monitoring Data

Technician: Tom Miller  
 Date: 6/30/2014  
 Client: R. Jones, WMI  
 Site: Powell Rd  
 Temperature: 83  
 Barometric Press.: 29.95

ID	DATE	TIME	CH4	CO2	O2	Balance	Initial Static Press.	Temp. (Deg F)	Comments
POWLBLIN									
POWLBLIN									
POWL0001									
POWL0002									
POWL0003									
POWL0004									
POWL0005									
POWL0006									
POWL0007									
POWL0008									
POWL0009									
POWL0010									
POWL0011									
POWL0012									
POWL0013									
POWL0014									
POWL0015									
POWL0016									
POWL0017									
POWL0018									
POWL0019									
POWL0020									
POWL0021									
POWL0022									
POWL0023									
POWL0024									
POWL0025									
POWL0026									
POWLBLIN									
POWLBLIN									

Comments: System down due to LCS shutdown

- Status History for Waste Management -Cincinnati -  
Powell Rd  
Sunday, June 01, 2014 to Monday, June 30, 2014

**- Alarm History -**

Station	Device	Alarm Start	Alarm End	Alarm Duration	Flare Shutdown Time	Leachate Sys Shutdown Time	Corrective Action
Input: 75% UST Level							
Powell Rd	25805	6/7/2014 6:43:46 PM	6/10/2014 12:46:37 PM	237771			
				66:02:51			
LCS Well Shutdown							
Powell Rd	25805	6/10/2014 3:03:15 AM	6/12/2014 8:14:48 AM	191493			
Powell Rd	25805	6/19/2014 7:47:15 PM		965505			
				321:23:18			
Input: Compressor Low Pressure							
Powell Rd	25805	6/10/2014 4:20:49 AM	6/12/2014 8:26:28 AM	187539			
Powell Rd	25805	6/12/2014 7:44:20 PM	6/17/2014 9:45:04 AM	396044			
Powell Rd	25805	6/19/2014 8:34:57 PM		962643			
				429:30:26		429:30:26	
Input: Pilot failure							
Powell Rd	25805	6/10/2014 3:03:42 AM	6/17/2014 9:55:57 AM	629535			
Powell Rd	25805	6/19/2014 7:47:43 PM		965477			
				443:03:32	443:03:32		
Input: Primary Power							
Powell Rd	25805	6/23/2014 8:43:44 PM	6/23/2014 11:16:18 PM	9154			
Powell Rd	25805	6/24/2014 12:27:55 AM		337			
				02:38:11			
Cycle Timer Shutdown (12Hrs. Daily)							
Daily shutdown					120		None Automatic Flare Cycling Run 12Hrs off 12 Hrs Daily
Total					563:03:32	429:30:26	

Associated Shutdowns

**\*NOT ALL ALARMS SHUTDOWN THE SYSTEMS**

**Waste Management, Powell Rd Landfill**  
**Landfill Gas and Condensate Collection Systems Maintenance Summary Report**

**Jun-2014**

Date	System Repaired	Proactive/ Reactive	Diagnosis of Problem Causing Reactive Action	Corrective Action / Description of Maintenance Performed

**Additional Comments:** No Additional Comment

Update

# **Powell Road Landfill Monthly Leachate Logs in 2014**

Month	Gallons	in. Rain
Jan-14	0	1.78
Feb-14	5,000	2.07
Mar-14	15,000	2.37
Apr-14	10,000	4.77
May-14	0	6.07
Jun-14	6,500	5.60
Jul-14	0	0.00
Aug-14	0	0.00
Sep-14	0	0.00
Oct-14	0	0.00
Nov-14	0	0.00
Dec-14	0	0.00
<b>Total</b>	<b>36,500</b>	<b>22.66</b>
<b>Monthly Avg</b>	<b>3,042</b>	<b>1.89</b>
<b>Daily Avg</b>	<b>100</b>	<b>0.062</b>

